



***Air Force Operational Medicine:
Using the Enterprise Estimating Supplies Program to
Develop Materiel Solutions for the Operational
Requirements of the Air Force Ophthalmology
Augmentation Team (FFEYE)***

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Executive Summary

The Naval Health Research Center (NHRC) has used its modeling and simulation expertise to develop and update conventional U.S. Air Force medical assets since 2004. Air Force medical modeling capabilities currently capture care and treatment of the sick and injured from the first responder through theater hospitalization.

The objective of this study was to leverage medical modeling and simulation advantages to provide recommendations for allowance standard (AS) configurations based on the Air Force Ophthalmology Augmentation Team (FFEYE) operational and clinical requirements. NHRC analysts reviewed the FFEYE, analyzed clinical requirements with subject matter experts, and used modeling and simulation tools to develop the operationally-based and patient-driven recommended 917F line list.

The Unit Type Code (UTC) capabilities, operational requirements, and materiel solutions were identified, and issues of modernization, clinical requirement, standardization, and redundancy were addressed. Total changes resulted in a reduction in weight by 16%, cube by 20%, and cost by 3%, or \$10,875.

Modeling and simulating a medical system like the FFEYE, with a range of capabilities and functional areas, validates the materiel solutions for each UTC. It is effective in facilitating AS reviews that focus on advancing the mission, operational requirements, and capabilities of these agile, deployable medical resources.

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Introduction

The Naval Health Research Center (NHRC) has used its modeling and simulation expertise to develop and update U.S. Air Force medical capabilities, allowance standards (ASs), and surgical subspecialty Unit Type Codes (UTCs) since 2004. Air Force medical units must remain small, light, and flexible. Based on the success of previous work, the Air Force asked NHRC to conduct a review of the Ophthalmology Augmentation Team (FFEYE) (Konoske, 2009).

The U.S. Air Force Medical Services is faced with a wide range of potential scenarios, from providing warfighters forward resuscitative care to assisting civilian populations during humanitarian relief operations. Air Force planners and UTC developers have closely followed the *Joint Vision 2010* concept of providing highly mobile medical resources with a minimal logistic footprint, without compromising capability (Office of the Joint Chiefs of Staff, 1998). Additionally, guidance provided by the *Joint Vision 2020* calls for a more scientific approach that leverages and enhances existing information technologies to support modern operational capabilities (Office of the Joint Chiefs of Staff, 2000). Emphasis on mobility and capability resulted in a modular approach to prepare, plan, and deploy the FFEYE expeditionary medical platform.

Method

The NHRC method of modeling medical supply requirements was developed to establish and/or review medical inventories for various levels of care. Its aim is to give clinicians, in the field, the materiel they need to provide the best care possible, while still maintaining as small a logistical footprint as possible. It involves a process that begins with the identification of likely patient types to be encountered by a particular type of medical treatment asset, including combat wounds, non-battle injuries, and illnesses. *International Classification of Diseases*, Ninth Revision (ICD-9) coded patient conditions, selected by the Defense Medical Materiel Program Office, are used for this purpose. Figure 1 illustrates the NHRC processes used when developing a modeling and simulation package.

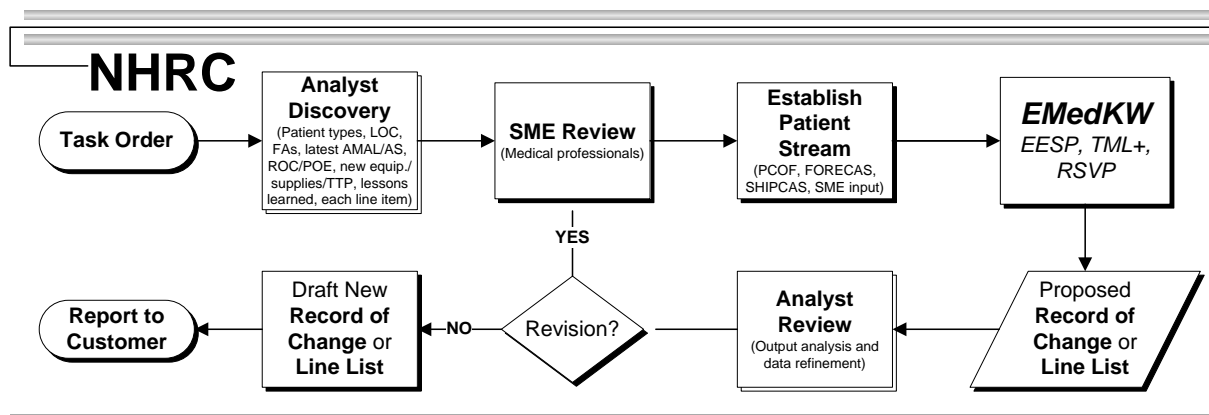


Figure 1. An example of the NHRC AS review process.

Subject Matter Expert Guidance

A comprehensive review of the FFEYE AS 917F was conducted to establish a baseline. The kick-off meeting was held December 9, 2009 via teleconference, with subsequent teleconferences and an on-site meeting, held January 27, 2010, between NHRC researchers and subject matter experts (SMEs).

Patient Stream

An 84-person patient stream, vetted by the ophthalmology SME panel, was derived from theater patient encounter data collected during Operation Enduring Freedom over a 9-month period (between 11 March and 25 November 2007). This patient stream was used to simulate the equipment and supply requirements for a range of surgical and non-surgical injuries and illnesses, typically seen and treated by an ophthalmologist and one technician working 12-hour days, 7 days per week. Table 1 displays the patient stream.

Table 1
FFEYE Patient stream

ICD-9	ICD-9 descriptions	No. pts
802.6	FX ORBITAL FLOOR-CLOSED	4
361.0	DETACHMNT W DEFECT NOS	7
871.0	OCULAR LAC W/O PROLAPSE	7
941.19	1ST DEG BURN HEAD-MULT	3
372.00	ACUTE CONJUNCTIVITIS NOS	3
372.30	CONJUNCTIVITIS NOS	1
370.00	CORNEAL ULCER NOS	1
918.1	SUPERFICIAL INJ CORNEA	6
364.00	ACUTE IRIDOCYCLITIS NOS	1
367.9	REFRACTION DISORDER NOS	1
870.9	OPN WND OCULAR ADNEX NOS	2
921.0	BLACK EYE NOS	1
365	GLAUCOMA	2
368	VISUAL DISTURBANCE, PHOTOPHOBIA	5
376	DISORDERS OF THE ORBIT	7
940	BURN CONFINED TO EYE AND ADNEXA	2
360.5	RETAINED INTRAOCULAR FOREIGN BODY, MAGNETIC	30
379.9	UNSPECIFIED DISORDER OF EYE AND ADNEXA	1
Total		84

Expeditionary Medical Knowledge Warehouse

The patient stream is input to the Expeditionary Medical Knowledge Warehouse (EMedKW) program to perform modeling and simulation. EMedKW is comprised of the Enterprise Estimation Supply Program (EESP), the Tactical Medical Logistics (TML+) planning tool, and the ReSupply Validation Program (RSVP). EMedKW is a service-oriented architecture system designed to protect and organize medical data. EMedKW provides the ability to estimate the equipment and consumable items needed to treat a particular patient distribution, while also tracking inventory to monitor mission readiness. Within EMedKW, the tasks required to treat each PC code are identified and matched with the required equipment and consumable items. Review of the output informs the appropriate modifications to the 917F line list for the Air Combat Command Manpower and Equipment Force Packaging System review.

The following example describes the EMedKW data structure (see Figure 2). The task profile shows the likely clinical tasks to be performed on this type of patient in that functional area, and the percentage of those patients expected to receive them. The “Equipment/supplies” column identifies the items needed to complete the “Insert endo-trach tube” task at that level of capability. Not shown in this figure are additional data fields used to calculate supply quantities, including the amount of each supply needed to complete the task, how often the task will be repeated in the first 24 hours of treatment, how often the task will be repeated in each subsequent 24-hour period, and the average length of stay at that facility.

ICD-9 code	Medical capability	Functional area	Task profile	Patients %	Equipment/supplies
800.13	Emergency forward care	Triage/pre-op	Triage	100	Laryngoscope INF/ADL w/ 4 detachable blades
800.26	Forward	O.R.	Patient assessment	100	Tube trach endotrach double lumen left 39 Fr
800.42	resuscitative care	Ward/ICU	Insert endo-trach tube	30	Forceps trach McGill fenestrated
800.60	Theater	Radiology	Neuro checks	100	Lubricant surgical 5 gram 144S
801.01	hospitalization	Lab	Apply c-collar	60	Vecuronium bromide inj 10mg/ml 10ml vial
850.1	Definitive care	Pharmacy	Set-up O2	60	Basin emesis plastic disp., 250S
850.9			Admin O2	20	Gloves patient exam large 100s
-			Cardiac monitoring	20	Syringe hypodermic 3ml
-			CPR	100	Luer Lock 100s
870.4			Emergency control hemorrhage	80	Needle hypodermic 20ga
				100	1.43–1.56 Luer Lock, 100S
					Pad isopropyl impregnated, 200S

Figure 2. An example of NHRC’s programmatic modeling process using a patient ICD-9 Code 800.13.

Capability

The FFEYE provides the supplies and equipment required to establish medical and surgical eye care for a deployed medical facility, including acute medical and surgical

interventions for trauma to the eyes and ocular adnexa and for limited facial injuries. The team's capabilities are optimized when deployed with Neurosurgery (FFNEU) and the Otolaryngology (FFENT). Staffing consists of an ophthalmologist (45E3) and an ophthalmic journeyman technician (4V051).

Results

Change Justification

Modeling and simulation provides visibility for change justifications. These are typically placed in four categories; modernization, clinical requirement, standardization, and redundancy. In this study, the FFEYE 917F AS is optimized by drawing on existing EMEDS capabilities. There are 92 recommended line item changes. Forty line items are recommended for deletion, and 24 of these are available in the EMEDS 938 AS. The remaining items are either redundant or not required for clinical or surgical requirements. There are no items recommended for addition.

Quantity Changes

The 917F FFEYE AS was optimized using the 938 EMEDS +10 AS. There are 13 equipment items that are recommended for deletion from the 917F AS—each is either available or has a reasonable substitute in the 938 EMEDS AS. The overall weight for equipment is reduced by 82%, cube by 16%, and cost by 1.34%, or \$3,830.21.

Thirteen equipment line items are recommended for deletion from the 917F. These items would be drawn from the EMEDS 938 AS, including three instrument trays and a surgical instrument sterilizer. One glass syringe is recommended for deletion due to clinical requirements. The overall weight for equipment is decreased by 5%, cube by less than 2%, and cost by 1%, or \$3,700.

Ten medications currently in the 917F AS would be drawn from the EMEDS 938 AS pharmacy. Optimizing medications from the EMEDS 938 pharmacy reduces the weight by 56%, cube by 47%, and cost by 47%, or \$4,600. Several medication quantities were changed based on the patient stream simulation results. For example, bupivacaine increased from 6 packages of 10 to 10 packages, contact lens cleaning solution was decreased from 80 bottles to 12, and homotopine solution went from 30 bottles to 7.

Consumables optimized from the EMEDS 938 AS will decrease the overall weight by 80%, cube 80%, and cost 15%, or \$2,500. Twenty-two line items are recommended for deletion. The majority of deletions can be optimized through either the logistics functional area of the 938 AS or the operating room functional area, including surgeons gloves, sponge gauze, and IV sets. Nine line items increased marginally, primarily sutures.

Total changes resulted in a reduction in weight by 16%, cube by 20%, and cost by 3%, or \$10,875. Table 2 shows an overview of changes by category. A detailed listing of the 917F AS recommended changes is provided in Appendix A. EMEDS AS quantities found in the other functional areas are aggregated and listed in Appendix B.

Table 2
FFEYE Weight, Cube, and Cost

Category	Weight	Cube	Cost
917F equipment	2,206.05	432.01	\$350,084.76
ESP equipment	2,102.69	421.51	\$346,377.33
Difference	-103.36	-10.50	(\$3,707.43)
% Change	-4.69	-2.43	-1.06
917F medicine	197.33	97.12	\$10,014.04
ESP medicine	85.32	51.15	\$5,343.97
Difference	-112.01	-45.97	(\$4,670.07)
% Change	-56.76	-47.33	-46.64
917F consumable	258.33	78.93	\$17,213.64
ESP consumable	51.51	15.42	\$14,716.35
Difference	-206.82	-63.51	(\$2,497.29)
% Change	-80.06	-80.47	-14.51
917F totals	2,661.70	608.05	\$377,312.44
ESP totals	2,239.51	488.07	\$366,437.65
Difference	-422.19	-119.98	(\$10,874.79)
% Change	-15.86	-19.73	-2.88

Conclusion

Modeling and simulation was used to study the FFEYE and recommend changes to its AS. The clinical capabilities include personnel and equipment required to establish medical and surgical eye care support for a deployed medical facility. The FFEYE must be attached to an EMEDS +10, EMEDS +25, or Air Force Theater Hospital.

Modeling and simulation tools are essential for projecting appropriate medical care needs for our service personnel. Standardizing equipment and consumables with the Defense Medical Material Program Office-approved items makes the FFEYE creation and resupply quicker and more efficient. Updating and maintaining the patient data and FFEYE contents database will ensure that future medical needs are met in the most effective manner.

References

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- Office of the Joint Chiefs of Staff. (2000). *Joint Vision 2020*. Washington, DC: Department of Defense.

Appendix A.
Air Force Ophthalmology Augmentation Team Line List

Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
Equipment											
A	6540011455210	BAG PROTECTIVE VISION CHARTS DUCK CLOTH COTTON	EA	1	1	0.47	0.04	\$24.33	0.47	0.04	\$24.33
A	6530007709220	BASIN EMESIS STEEL KIDNEY SHAPE 500ML	EA	2	2	1.70	0.06	\$28.48	1.70	0.06	\$28.48
A	7520002855416	BASKET WASTEPAPER	EA	1	1	3.00	2.00	\$9.70	3.00	2.00	\$9.70
A	6140014594297	BATTERY STORAGE AF SP25B KOWA SL-14REPLACEMENT BATTERY	EA	1	1	0.75	0.01	\$362.25	0.75	0.01	\$362.25
A	6530004042654	BOWL SURG SPONGE PLAS 44 OZ 3X6.250" NOT NESTING AUTOCLAVABLE 12S	EA	1	1	0.10	0.01	\$63.81	0.10	0.01	\$63.81
A	6540014599272	BULB SLIT LAMP OPHTHALMIC USED WITH 6540014599226 LAMP SLIT OPHT	EA	2	2	1.10	0.22	\$208.66	1.10	0.22	\$208.66
A	6515013561757	BUR REMOVER RUST RING 5MM REPLACEMENT F/ALGERBRUSH MDL E0819A&B	EA	2	2	0.02	0.02	\$209.50	0.02	0.02	\$209.50
A	6150004856149	CABLE ASSEMBLY POWER ELEC 2 CONDUCTOR 1	EA	5	5	22.50	0.83	\$92.65	22.50	0.83	\$92.65
A	6515011397942	CABLE ASSY ELECTROSURG APPAR PROXIMAL END DOUBLE PRONG JACK 144"	EA	2	2	0.36	1.20	\$58.04	0.36	1.20	\$58.04
A	6150014557364	CABLE BATTERY GEL CELL C	EA	1	1	4.00	2.00	\$44.19	4.00	2.00	\$44.19
A	6540002999497	CALIPER EYE CASTROVIEJ 3.375IN 0-20MM SHARP P	EA	1	1	0.06	0.00	\$154.61	0.06	0.00	\$154.61
A	6515014668162	CANNULA AIR INJECTION .075IN LG ANGULAR 5MM	EA	3	3	1.65	0.05	\$94.50	1.65	0.05	\$94.50

Note. A=quantity unchanged; B=quantity increase; C=quantity decrease; D=delete; E=add, deleted replacement item; F=add, new item

Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
A	6515012151026	CANNULA AIR INJECTION 27GA 0.75IN 45 DEG BLUNT POINT	EA	3	3	0.24	0.03	\$37.29	0.24	0.03	\$37.29
A	6515011398665	CANNULA ANTERIOR CHAMBER SCHEIE 27GAGEX0.75IN NEEDLE BLUNT TIP	EA	1	1	0.01	0.01	\$9.11	0.01	0.01	\$9.11
A	6515011216477	CANNULA EYE BISHOP-HARMON 19GA OPN LUER SLIP	EA	6	6	0.54	0.04	\$81.30	0.54	0.04	\$81.30
A	6515014689644	CANNULA EYE CRS BLUNT TIP 23 GA BOTTOM PORT	EA	4	4	0.30	0.01	\$108.00	0.30	0.01	\$108.00
A	6515011397650	CANNULA-SCRAPER EYE KRATZ SAND BLASTED 23GAX1MM	EA	2	2	0.20	0.10	\$55.06	0.20	0.10	\$55.06
A	6540014624696	CASE CARRYING REFRACTOR AND KERATOMETER E.I. 6540014624634	EA	1	1	1.25	0.25	\$249.95	1.25	0.25	\$249.95
A	6515014602305	CASE MICROSURGICAL	EA	1	1	1.10	0.20	\$114.47	1.10	0.20	\$114.47
A	6515015034315	CASE PHOROPTOR & ARM HEAVY DUTY F/MORRELL	EA	1	1	15.00	3.20	\$1,061.02	15.00	3.20	\$1,061.02
A	6515015034319	CASE PHOROPTOR TRIPOD MORRELL WHITE	EA	1	1	15.00	2.50	\$1,303.46	15.00	2.50	\$1,303.46
A	6540014599279	CASE SLIT LAMP OPHTHALMIC W/6540014599226	EA	2	2	20.00	3.44	\$454.98	20.00	3.44	\$454.98
A	6530014982652	CASSETTE PLAS F/USE IN PRESTIGE 21006 AUTOCLAVE	EA	3	3	1.65	0.06	\$250.56	1.65	0.06	\$250.56
A	6140014556934	CELL BATTERY GELL CELL 12 VOLT SEALED	EA	1	1	6.00	1.00	\$138.28	6.00	1.00	\$138.28
A	7105002698463	CHAIR FOLDING W/O ARMS STEEL GRAY ENAMEL	EA	2	2	10.00	2.00	\$25.82	10.00	2.00	\$25.82
A	6130014556944	CHARGER GEL CELL 220/240 V EI 6140014556934	EA	1	1	6.00	1.00	\$44.19	6.00	1.00	\$44.19
A	6540010793516	CHART AMSLER RECORD 50	PG	2	2	0.60	0.20	\$7.50	0.60	0.20	\$7.50

Note. A=quantity unchanged; B=quantity increase; C=quantity decrease; D=delete; E=add, deleted replacement item; F=add, new item

Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
		CHARTS									
A	6540005988078	CHART SET VISION ACUITY TEST DISTANCE VISION	SE	2	2	6.38	0.28	\$25.06	6.38	0.28	\$25.06
A	6540005988077	CHART SET VISION ACUITY TEST NEAR VISION	SE	2	2	0.12	0.01	\$36.20	0.12	0.01	\$36.20
A	6540003885680	CHART VISION ACUITY TESTING ASTIGMATIC DIAL GREEN	EA	2	2	0.60	0.06	\$55.78	0.60	0.06	\$55.78
A	6540003885800	CHART VISION TESTING ASTIGMA AND ILLITERATE E	EA	2	2	0.52	0.02	\$10.32	0.52	0.02	\$10.32
A	6545009143510	CHEST MEDICAL INSTRUMENT & SUPPLY SET AMAL #6	EA	6	6	240.00	45.00	\$1,913.94	240.00	45.00	\$1,913.94
A	6515012064696	CLAMP TOWEL CROSS ACTION NON-MAGNETIC 87MM LG SCHAEDEL DESIGNED	EA	16	16	0.96	0.80	\$1,640.16	0.96	0.80	\$1,640.16
A	6650014557381	CLEANING KIT MICROSCOPE E.I. 6650-01-455-7280	EA	1	1	0.25	0.25	\$47.82	0.25	0.25	\$47.82
A	6515014653293	CORD BIPOLAR FORCEP SILICON 12FT FULLY AUTOCL	EA	2	2	1.10	0.24	\$143.38	1.10	0.24	\$143.38
D	6530012594318	COVER SURGICAL INSTRUMENT STAND POLYESTER 30I	PG	4	0	50.00	8.04	\$297.92	0.00	0.00	0.00
D	6530007778600	CUP SOL CORROSION-RESISTING STEEL 7 OZ	EA	1	0	0.22	0.01	\$5.86	0.00	0.00	0.00
A	6515011398680	CURETTE CHALAZION MEYERHOEFER COML SZ NO.2 ROUND SOLID BLADE	EA	2	2	0.02	0.02	\$153.92	0.02	0.02	\$153.92
A	6515013561214	CURETTE STRAIGHT SHANK 4.70IN POLISHED FINISH SERRATED HANDLE	EA	2	2	1.00	0.06	\$129.84	1.00	0.06	\$129.84

Note. A=quantity unchanged; B=quantity increase; C=quantity decrease; D=delete; E=add, deleted replacement item; F=add, new item

Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
A	6540014862485	DEPTH PERCEPTION APPARATUS OPHTHALMIC RANDOM DOT TEST W/2 LEVELS	EA	1	1	1.00	0.14	\$152.15	1.00	0.14	\$152.15
A	6515011398762	DILATOR LACHRYMAL RUEDEMANN SGL-ENDED DELICATE NEEDLE CRS SHORT	EA	4	4	0.04	0.00	\$74.00	0.04	0.00	\$74.00
A	6540013862973	DIODE LASER PORTABLE 115V 50/60HZ AC 90W 4X12X12IN	EA	1	1	10.00	1.00	\$20,668.33	10.00	1.00	\$20,668.33
A	6515011648889	DIRECTOR AND TONGUE TIE 6" LONG BLUNT/OPEN END/ROUND TIP STR CRS	EA	2	2	0.04	0.02	\$25.56	0.04	0.02	\$25.56
A	6515014653362	ELECTRODE SET CAUTE STD SET OF 8 ELECTRODES BENDABLE	EA	2	2	0.90	0.10	\$1,115.74	0.90	0.10	\$1,115.74
A	6515012468243	ELEVATOR PERIO TENZEL DBL BEV 194MM DBL END	EA	2	2	0.50	0.01	\$185.60	0.50	0.01	\$185.60
A	6540014624614	EXOPHTHALMOMETER PRISM HERTEL TYPE	EA	1	1	0.79	0.04	\$332.81	0.79	0.04	\$332.81
A	6515014628863	FIBER OPTIC LIGHT SYSTEM	EA	1	1	9.50	0.14	\$1,786.94	9.50	0.14	\$1,786.94
A	6230011103829	FLOODLIGHT ELECTRIC	EA	1	1	4.50	0.24	\$280.54	4.50	0.24	\$280.54
A	6515014621143	FORCEPS BAYONET KENNERDEL SHAFTS W/17MM SER	EA	2	2	0.90	0.03	\$96.96	0.90	0.03	\$96.96
A	6515014653344	FORCEPS BIPOLAR COAG 3-11/16IN COATED	EA	2	2	1.10	0.24	\$643.40	1.10	0.24	\$643.40
A	6515014621258	FORCEPS BIPOLAR SHEPARD STRT SHAFT 45DEG ANGL	EA	4	4	2.00	0.06	\$568.76	2.00	0.06	\$568.76
A	6515003323900	FORCEPS CHALAZION DESMARR 3.25-3.75IN STRT FE	EA	2	2	0.06	0.01	\$49.24	0.06	0.01	\$49.24
A	6515014593979	FORCEPS CHALAZION LAMBERT SMALL RND 10MM SOLID LOWER PLATE	EA	2	2	1.10	0.24	\$343.84	1.10	0.24	\$343.84

Note. A=quantity unchanged; B=quantity increase; C=quantity decrease; D=delete; E=add, deleted replacement item; F=add, new item

Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
A	6515011249805	FORCEPS DRESSING STRAIGHT BISHOP-HARMON 3-1/4	EA	2	2	0.34	0.00	\$149.18	0.34	0.00	\$149.18
A	6515011212330	FORCEPS EYE CORNEAL UTIL TROUT-BARRAQ 73MM	EA	2	2	0.20	0.00	\$324.46	0.20	0.00	\$324.46
A	6515014620734	FORCEPS EYE JEWELER STRAIGHT SHAFT W/6MM TYING PLATFORMS120MM	EA	4	4	0.72	0.32	\$333.84	0.72	0.32	\$333.84
A	6515014621130	FORCEPS EYE JEWELER W/TYING PLATFORMS STRAIGHT SHAFTS 5MM TYING	EA	4	4	1.80	0.05	\$333.84	1.80	0.05	\$333.84
A	6515011272208	FORCEPS EYE MUSCLE TROUTMAN 106MM 45 ANGLE	EA	2	2	0.02	0.00	\$184.08	0.02	0.00	\$184.08
A	6515011157816	FORCEPS EYE SUT CASTROVIE STRT 0.5MM	EA	4	4	0.04	0.00	\$565.36	0.04	0.00	\$565.36
A	6515011157667	FORCEPS EYE SUTURE CASTROV 4IN .12MM TEETH TW	EA	16	16	0.16	0.02	\$2,607.20	0.16	0.02	\$2,607.20
A	6515011398282	FORCEPS FIXATION STRT CASTROV 4IN	EA	5	5	0.05	0.01	\$552.50	0.05	0.01	\$552.50
A	6515014593774	FORCEPS HEMO HALSTEAD & MOSQUITO 4.9IN	EA	6	6	3.30	0.72	\$139.86	3.30	0.72	\$139.86
A	6515014593970	FORCEPS HEMO HALSTEAD MOSQ CRV 22MM SER	EA	6	6	3.30	0.72	\$153.84	3.30	0.72	\$153.84
A	6515011643167	FORCEPS IRIS MCPHERSON DESIGN 86MM LG STR TYING CRS PASSIVATED	EA	4	4	0.32	0.24	\$844.48	0.32	0.24	\$844.48
A	6515014621219	FORCEPS LENS BLAYDES ANGLED 8MM F/TIP TO BEND O/A LG 117MM	EA	2	2	1.00	0.03	\$574.76	1.00	0.03	\$574.76
A	6515011253267	FORCEPS SERREFINE SMALL 1.50 INCH (4 CM) LONG	EA	12	12	0.12	0.01	\$171.24	0.12	0.01	\$171.24
A	6515013204473	FORCEPS SUTURE TY BECHERT-MCPHERS 3.30IN ANG	EA	4	4	0.40	0.00	\$435.12	0.40	0.00	\$435.12

Note. A=quantity unchanged; B=quantity increase; C=quantity decrease; D=delete; E=add, deleted replacement item; F=add, new item

Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
A	6515011151737	FORCEPS TISSUE BISHOP-HARMON STAIRGHT 3.3IN	EA	4	4	0.20	0.20	\$317.56	0.20	0.20	\$317.56
A	6540003462240	FRAME OPHTHALMIC TRIAL LENS SET W/CORNEAL SIGHTING DEVICE	EA	1	1	0.18	0.10	\$322.29	0.18	0.10	\$322.29
A	6540014621534	GONIOPRISM 4-MIRROR POSNER DIAGNOSTIC AND SURGICAL LENS	EA	1	1	1.15	0.20	\$434.70	1.15	0.20	\$434.70
A	6540014618942	HANDLE RECHARGEABLE WELCH ALLYN 3.5V OUTLET TYPE	EA	1	1	1.15	0.15	\$133.15	1.15	0.15	\$133.15
A	6515014623484	HANDPIECE SURGICAL APPARATUS ALGER BRUSH RUST RING REMOVER	EA	1	1	0.55	0.12	\$123.17	0.55	0.12	\$123.17
A	6515015497951	HEAD EXTENSION STRETCHER SURGICAL MOBILE PRE-OP/POST-OP	EA	1	1	0.01	0.06	\$265.17	0.01	0.06	\$265.17
A	6515014593363	HOLDER SUTURE NDL BARRAQUER 9MM CRV 5.2IN	EA	2	2	1.10	0.24	\$396.66	1.10	0.24	\$396.66
A	6515006169173	HOLDER SUTURE NDL CASTRO 5.5INLIGHTWEIGHT STR	EA	3	3	0.18	0.01	\$550.80	0.18	0.01	\$550.80
A	6515014594039	HOLDER SUTURE NDL CRS 4.3IN OSHER W/LOCK	EA	4	4	1.24	0.44	\$789.64	1.24	0.44	\$789.64
A	6515014626134	HOLDER SUTURE NEEDLE CRS CURVED&DELICATE JAW4.3IN	EA	4	4	2.08	0.48	\$1,112.48	2.08	0.48	\$1,112.48
A	6515013812604	HOOK INSERTION CATARACT LENS STORZ 45 DEG BEND 120MM	EA	3	3	0.03	0.03	\$292.11	0.03	0.03	\$292.11
A	6515014620379	HOOK IRIS HIRSCHMAN CURVED.75MM HOOK ANGLE 45DEG9MM	EA	3	3	0.45	0.15	\$306.03	0.45	0.15	\$306.03
A	6515014340932	HOOK LACRIMAL INTUBATION SET CRAWFORD DESIGN REUSABLE	EA	4	4	0.40	0.60	\$333.80	0.40	0.60	\$333.80

Note. A=quantity unchanged; B=quantity increase; C=quantity decrease; D=delete; E=add, deleted replacement item; F=add, new item

Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
A	6515014689647	HOOK MANSON EYE DOUBLE END STRABISMUS 4.8" LONG 7MM BLADE SPREAD	EA	2	2	1.10	0.03	\$184.00	1.10	0.03	\$184.00
A	6515003424100	HOOK STRABISMUS GRAFFE DESIGN CRS 70 DEG BEND 5.25"LG BLUNT TIP	EA	2	2	0.58	0.00	\$58.50	0.58	0.00	\$58.50
A	6515014828303	HOOK STRABISMUS GREEN 130MM 7MM FLAT HANDLE	EA	4	4	0.04	0.03	\$172.00	0.04	0.03	\$172.00
A	6515006198314	HOOK STRABISMUS JAMESON 90 DEG 5.5IN BULB	EA	2	2	0.08	0.00	\$76.38	0.08	0.00	\$76.38
A	6515013702232	HOOK TENOTOMY STEVENS 4.70IN CRV TIP FLAT	EA	6	6	3.36	3.36	\$189.42	3.36	3.36	\$189.42
A	6515011212328	INTRODUCER & HOLDER SPH CARTER 4-5/8IN	EA	2	2	0.12	0.02	\$88.92	0.12	0.02	\$88.92
A	6515014340933	LACRIMAL INTUBATION SE C/O 0.25" SILASTIC TUBING SWAGED TO 0.16	EA	12	12	0.12	0.12	\$1,383.36	0.12	0.12	\$1,383.36
A	6650014557024	LAMP AND FUSE PACK E.I. 6650- 01-455-7280	EA	1	1	1.00	0.52	\$139.47	1.00	0.52	\$139.47
A	6540014587929	LAMP MICROSCOPE HIGH RESOLUTION F/AUXILLIARY LIGHT SOURCE 3S	EA	1	1	0.45	0.12	\$154.32	0.45	0.12	\$154.32
A	6540014618681	LASER SYSTEM OPHTHALMIC FOR PHOTODISRUPTION CATARACT APPLICATION	EA	1	1	25.00	1.25	\$38,036.25	25.00	1.25	\$38,036.25
A	6540014620772	LENS CAPSULOTOMY PEYMAN DESIGN 12MM APERATURE 1.8 X MAGNIFICATIO	EA	1	1	0.55	0.11	\$579.60	0.55	0.11	\$579.60
A	6540010787124	LENS CONDENSING 20 DIOPTER ASPHERICAL EXAM OF OCULAR FUNDUS	EA	1	1	0.05	0.01	\$221.70	0.05	0.01	\$221.70
A	6540010789245	LENS CONDENSING 30 DIOPTER VOLK CONOID WHITE GLASS 31MM DIA	EA	1	1	0.05	0.01	\$333.27	0.05	0.01	\$333.27

Note. A=quantity unchanged; B=quantity increase; C=quantity decrease; D=delete; E=add, deleted replacement item; F=add, new item

Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
A	6540015131948	LENS CONDENSING INDIRECT 90D CLEAR 21.5MM DIAMETER NON-CONTACT	EA	1	1	0.55	0.12	\$333.27	0.55	0.12	\$333.27
A	6540010784164	LENS CONTACT 3-MIRROR GOLDMANN SMALL	EA	1	1	0.01	0.01	\$311.54	0.01	0.01	\$311.54
A	6540003462800	LENS DIPLOPIA TEST RED PLASTIC WITH HANDLE	EA	1	1	0.08	0.01	\$7.80	0.08	0.01	\$7.80
A	6540014620769	LENS IRIDOTOMY-SPHINCTEROTOMY WISE 9 MM APERTURE 2.6X MAGNIFICATION	EA	1	1	0.55	0.11	\$615.83	0.55	0.11	\$615.83
A	6540010567377	LENS SET TRIAL OPHTHALMIC REFRACTION SET WITHOUT RETINOSCOPE	SE	1	1	7.12	8.00	\$4,565.31	7.12	8.00	\$4,565.31
A	6540014624703	LENSMETER COMPACT AC/DC	EA	1	1	0.25	0.01	\$1,503.19	0.25	0.01	\$1,503.19
A	6230000885200	LIGHT DESK	EA	1	1	1.70	0.40	\$23.52	1.70	0.40	\$23.52
A	6530004808286	LIGHT DIAGNOSTIC EXAMINATION BURTON TYPE HAND	EA	1	1	3.25	0.34	\$524.45	3.25	0.34	\$524.45
A	6540014623977	LIGHT SOURCE AUXILIARY HI INTENSITY NON-COAXIAL MAIN POWER OR12V	EA	1	1	1.25	0.25	\$760.73	1.25	0.25	\$760.73
A	6515014620386	LOOP EYE LENS KIRBY EXPRESSOR HOOK AND LOOP 5MM W X 10MM L LOOP	EA	2	2	0.30	0.10	\$222.92	0.30	0.10	\$222.92
A	6540015486987	LOUPES SURGICAL ERGO TI FRAME 2.5X POWER GALILEAN TELESCOPE	EA	1	1	5.00	0.80	\$1,709.53	5.00	0.80	\$1,709.53
A	6540013496148	MAGNET EYE NONELECTRIC W/AUTOCLAVABLE PLASTIC TRAY 20GAGE	EA	1	1	1.00	0.21	\$862.16	1.00	0.21	\$862.16
A	6515015023447	MANIPULATOR NUCLEUS DRYDALE 110MM LG RD KNURLED HANDLE	EA	2	2	0.36	0.20	\$541.92	0.36	0.20	\$541.92
A	6515015207281	MANIPULATOR NUCLEUS DRYDALE 110MM RD KNURLED HANDLE	EA	1	1	0.18	0.10	\$270.96	0.18	0.10	\$270.96

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Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
A	6540014934563	MICROSCOPE ASSISTANT 8X MAGNIFICATION E.I. 6540-01- 491-9995	EA	1	1	1.25	0.25	\$2,002.16	1.25	0.25	\$2,002.16
A	6540014919995	MICROSCOPE SURGICAL PORTABLE 37"LG 90/260V 47/440HZ	EA	1	1	292.20	12.62	\$14,490.00	292.20	12.62	\$14,490.00
A	6530014981941	MOBILE SURGICAL STRETCHER WRIST REST F/USE DURING EYE SURGERY	EA	1	1	3.25	0.25	\$369.50	3.25	0.25	\$369.50
A	6515014626608	NEEDLE FASCIA	EA	2	2	1.10	0.24	\$250.38	1.10	0.24	\$250.38
A	1670009962780	NET CARGO TIE DOWN 5.5FTX14.5	EA	2	2	40.00	10.00	\$284.00	40.00	10.00	\$284.00
A	1670009694103	NET CARGO TIE DOWN 96IN HT 10,000LB CAP	EA	1	1	20.00	5.00	\$142.00	20.00	5.00	\$142.00
A	6540011397611	OCCLUDER EYE PLASTIC 7 IN DOUBLE-ENDED COMBINATION PIN HOLE	EA	1	1	0.01	0.01	\$41.30	0.01	0.01	\$41.30
A	6540014142056	OPHTHALMOSCOPE COAXIAL HALOGEN 16 APERATURES	EA	1	1	1.15	0.20	\$255.31	1.15	0.20	\$255.31
A	6540014624726	OPHTHALMOSCOPE HEINE SIGMA 150 SPECTACLE MOUNTED INDIRECT	EA	1	1	1.15	0.15	\$1,552.60	1.15	0.15	\$1,552.60
A	6540013862980	OPHTHALMOSCOPE LASER INDIRECT400MICRONS SPOT SZ115V50/60HZ AC25W	EA	1	1	13.00	1.00	\$10,455.98	13.00	1.00	\$10,455.98
A	1670008204896	PALLET CARGO AIRCRAFT 108INX88IN	EA	1	1	200.00	9.00	\$856.96	200.00	9.00	\$856.96
A	6540014215795	PHOROMETER OPHTHALM	EA	1	1	1.00	0.06	\$6,035.81	1.00	0.06	\$6,035.81
A	6540008776464	PHOROPTER MINUS CYLINDRICAL LENS TYPE	EA	1	1	8.50	1.10	\$4,774.92	8.50	1.10	\$4,774.92
A	6540002998186	PLATE SET PSEUDOISCHROMATIC PLATE QUANTITY 14 4.5IN	SE	1	1	1.34	0.10	\$186.43	1.34	0.10	\$186.43
A	6530014586961	PLATE TABLE MICROSCOPE TASP25A	EA	1	1	0.25	0.12	\$72.45	0.25	0.12	\$72.45

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Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
A	6540014592075	POWER SUPPLY OPHTHALMOSCOPE U/W 6540014592069 DETACH POWER PACK	EA	1	1	0.55	0.12	\$592.64	0.55	0.12	\$592.64
A	6540003566050	PRISM BAR OPTHALMOL BERENS HORIZONTAL IMAGE DISPLACE 15 PRISMS	EA	1	1	0.56	0.14	\$142.00	0.56	0.14	\$142.00
A	6540003566000	PRISM BAR OPTHALMOL BERENS VERTICAL IMAGE DISPLACE 14 PRISMS	EA	1	1	0.53	0.14	\$140.55	0.53	0.14	\$140.55
A	6515012064706	PROBE LACHRYMAL BOWMAN STAINLESS STEEL 141MM	EA	4	4	0.16	0.01	\$24.00	0.16	0.01	\$24.00
A	6515005261259	PROBE LACHRYMAL BOWMAN STERLING SILVER SZ 00	EA	4	4	1.24	0.00	\$56.80	1.24	0.00	\$56.80
A	6515011398764	PROBE LACHRYMAL WORST PIGTAIL DBL-ENDED	EA	2	2	0.02	0.00	\$129.00	0.02	0.00	\$129.00
A	6530014982649	RACK CASSETTE HEAT RESIST PLAS F/USE IN PRESTIGE 21006 AUTOCLAVE	EA	1	1	2.25	0.25	\$166.71	2.25	0.25	\$166.71
A	6515014654455	RADIOURGICAL CAUTERY SURGIRON FULLY FILTERED	EA	1	1	12.00	1.20	\$5,562.71	12.00	1.20	\$5,562.71
A	6540014624634	REFRACTOR AND KERATOMETER AUTOMATIC RETINOMAX K-PLUS HAND- HELD	EA	1	1	0.15	0.01	\$36,400.72	0.15	0.01	\$36,400.72
A	6540014559258	RETINOSCOPE 3.5V STREAK EXTERNAL FOCUSING SLEEVE HALOGEN	EA	1	1	1.00	0.03	\$498.18	1.00	0.03	\$498.18
A	6515014605954	RETRACTOR EYELID	EA	2	2	0.70	0.22	\$65.26	0.70	0.22	\$65.26
A	6515012463823	RETRACTOR EYELID DESMARRES SIZE 0 SOLID BLADE	EA	2	2	0.10	0.00	\$57.72	0.10	0.00	\$57.72
A	6515012109518	RETRACTOR LACHRYMAL SAC SS 10MM	EA	2	2	0.12	0.00	\$58.00	0.12	0.00	\$58.00

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Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
A	6515011642627	RETRACTOR NASAL CONVERSE 0.688X0.312" R ANGLE AT DISTAL END	EA	1	1	0.04	0.02	\$37.17	0.04	0.02	\$37.17
A	6515011212324	RETRACTOR ORBITAL SCHEPENS 14MM 6IN	EA	2	2	0.02	0.00	\$111.30	0.02	0.00	\$111.30
A	6515014607016	RONGEUR LAMINECT UP-CUT 3MM 40 DEG	EA	2	2	1.10	0.24	\$834.88	1.10	0.24	\$834.88
A	6515014607257	RONGEUR LAMINECT UP-CUT 3MM 40 DEG	EA	2	2	1.10	0.22	\$794.30	1.10	0.22	\$794.30
A	8340NCM060739	ROPAK CONTAINER LID 40X48	EA	7	7	35.00	7.00	\$261.38	35.00	7.00	\$261.38
A	8340NCM020030	ROPAK CONTAINER TWO DROP DOORS 84	EA	7	7	175.00	105.00	\$1,715.00	175.00	105.00	\$1,715.00
A	6540011654987	RULER MEASURING PUPILLARY DISTANCE 6X.50IN	EA	2	2	0.20	0.04	\$1.76	0.20	0.04	\$1.76
A	6540014863181	SCANNER ULTRASONIC OCULAR	EA	1	1	18.75	1.24	\$22,131.30	18.75	1.24	\$22,131.30
A	6515011249775	SCISSOR CAPSULOTOMY VANNAS 3IN CRS	EA	3	3	0.03	0.00	\$449.25	0.03	0.00	\$449.25
A	6515014620344	SCISSOR CORNEAL OSHER UNI 119MM THIN CURVE	EA	2	2	0.70	0.03	\$300.44	0.70	0.03	\$300.44
A	6515014621189	SCISSOR CORNEAL SECT MANSON-AEBLI L ANG	EA	2	2	1.00	0.03	\$334.48	1.00	0.03	\$334.48
A	6515014620673	SCISSOR CORNEAL SECT MANSON-AEBLI R ANG	EA	2	2	0.44	0.18	\$340.40	0.44	0.18	\$340.40
A	6515014620672	SCISSOR CORNEAL SECT MCPHER-CASTRO L ANG	EA	2	2	0.44	0.18	\$356.86	0.44	0.18	\$356.86
A	6515014621193	SCISSOR CORNEAL SECT MCPHER-CASTRO R ANG	EA	2	2	1.00	0.03	\$356.86	1.00	0.03	\$356.86
A	6515011212345	SCISSOR ENUCLEATION MED CRV 5IN BLUNT	EA	2	2	0.20	0.00	\$110.76	0.20	0.00	\$110.76
A	6515011265041	SCISSOR SUTURE WESTCOTT DESIGN 122MM	EA	2	2	0.16	0.01	\$329.88	0.16	0.01	\$329.88

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Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
A	6515012399806	SCISSOR TENOT POTTS 7IN CRVD BLADE	EA	4	4	0.24	0.01	\$449.36	0.24	0.01	\$449.36
A	6515006198306	SCISSOR TENOT WESTCOT 4.37-4.62IN CRV BLNT	EA	10	10	0.60	0.02	\$2,047.60	0.60	0.02	\$2,047.60
A	6515011398288	SCISSOR TENOT WESTCOT 9MM R HAND CRV SHARP	EA	2	2	0.02	0.00	\$416.88	0.02	0.00	\$416.88
A	6515012470998	SCISSORS IRIS STORZ 105MM LG T25MM PT	EA	2	2	0.24	0.20	\$223.70	0.24	0.20	\$223.70
A	6540014599226	SLIT LAMP OPHTHALMIC	EA	2	2	6.00	1.75	\$11,620.98	6.00	1.75	\$11,620.98
A	6515012466683	SPECULUM EYE BARRAQUER STEEL ADLT 14 MM	EA	5	5	0.50	0.03	\$78.00	0.50	0.03	\$78.00
A	6515012056824	SPECULUM EYE BARRAQUER STEEL CHILD 19MM	EA	2	2	1.04	0.05	\$12.50	1.04	0.05	\$12.50
A	6515011397666	SPECULUM EYE LANCASTER 3INNON-MAGNETIC CRS	EA	2	2	0.20	0.02	\$115.44	0.20	0.02	\$115.44
A	6515014605975	SPECULUM NASAL STORZ 5.1IN 30MM THIN WALL	EA	4	4	2.20	0.48	\$186.48	2.20	0.48	\$186.48
A	6515011210684	SPOON ENUCLEATION WELLS PASSIV CRS	EA	2	2	0.18	0.01	\$106.74	0.18	0.01	\$106.74
A	6540015053800	STAND TRIPOD FOR PHOROPTER	EA	1	1	25.00	2.80	\$925.33	25.00	2.80	\$925.33
D	6530014982642	STERILIZER SURGICAL INSTRUMENT 120/220V	EA	1	0	45.00	1.25	\$1,593.90	0.00	0.00	0.00
A	6530014979938	STOOL EXAMINATION 18-24.5INX15IN 4LEG ADJ W/FOOT RING	EA	2	2	7.70	4.00	\$453.08	7.70	4.00	\$453.08
A	6530014667131	STRETCHER SURGICAL EASY ROLLING CASTERS 4 WHEEL BRAKE & STEER	EA	1	1	500.00	30.00	\$10,193.72	500.00	30.00	\$10,193.72
A	6540NCM991130	SURGICAL LOUPES 2.75X	EA	1	1	0.25	0.10	\$1,483.00	0.25	0.10	\$1,483.00
D	6515008273104	SYRINGE HYPO GP 3ML CAP SGL SCALE BOROSILICATE	EA	2	0	0.06	0.02	\$115.00	0.00	0.00	0.00

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Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
		NEEDLE LOCK TIP									
A	7105002699275	TABLE FOLDING TENT OD 35X27X23IN	EA	1	1	44.00	3.00	\$317.57	44.00	3.00	\$317.57
A	6650014557562	TILT ADAPTER MICROSCOPE ALLOWS OPTICAL HEAD TILT AWAY F/VERTICAL	EA	1	1	50.00	4.00	\$248.87	50.00	4.00	\$248.87
A	6540014587838	TONOMETER OPHTHALMIC HAND HELD PORTABLE POCKE	EA	1	1	1.00	0.02	\$1,834.00	1.00	0.02	\$1,834.00
A	6540011458776	TOOL KIT OPTICIAN	SE	1	1	4.00	0.12	\$282.56	4.00	0.12	\$282.56
A	6540014618991	TRANSILLUMINATOR HE WELCH ALLYN 3.5 VOLT FINNOFF	EA	1	1	1.15	0.15	\$144.76	1.15	0.15	\$144.76
D	6530013207947	TRAY INSTRUMENT ANODIZED ALUMINUM 30ML CAPACITY 8.25X8.25X1.75"	EA	1	0	1.90	1.00	\$220.25	0.00	0.00	0.00
D	6530011690300	TRAY INSTRUMENT CORROSION-RESISTING STEEL 8.25X8.25X1.25 INCH	EA	2	0	3.94	0.14	\$547.14	0.00	0.00	0.00
D	6530014602264	TRAY INSTRUMENT MICROSURG CAP 50-60 INSTR 26.7X50.8X6.35CM	EA	2	0	2.24	0.04	\$927.36	0.00	0.00	0.00
A	6515012406869	TUBE SUCTION SURG FRAZIER ANGULAR SMALL SZ NO 21 8FR STER	EA	2	2	0.94	0.12	\$28.98	0.94	0.12	\$28.98
A	6515013867864	TUBING ASSY OPPTH 23GA THIN WALL SIMCOE DOUBLE-BARRELED I/A UNIT	EA	3	3	0.30	0.03	\$352.62	0.30	0.03	\$352.62
A	6540014606934	VIDEO DOCUMENTATION SYSTEM W/ZEISS BEAM SPLITTER COMPACT CAMERA	EA	1	1	120.00	125.00	\$27,716.76	120.00	125.00	\$27,716.76
A	6515015376741	VITRECTOMY SYSTEM ANTERIOR WHITESTAR	EA	1	1	8.00	0.56	\$70,130.15	8.00	0.56	\$70,130.15
A	6540002999590	WARMER PLASTIC SPECTACLE FRAME 115 VOLT 60 HERTZ AC 100 WATTS	EA	1	1	4.19	0.80	\$346.86	4.19	0.80	\$346.86

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Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
A	6540014629952	WASHER LENS 4 METER ROLL REGULAR NO. 50	EA	3	3	3.45	0.45	\$16.29	3.45	0.45	\$16.29
A	6530012460156	WRAPPER STERILIZATION 54X54IN CTN GREEN 6S	PG	1	1	9.18	0.60	\$97.05	9.18	0.60	\$97.05
A	6530012442776	WRAPPER STERILIZATION COTTON 24X24IN GREEN 6S	PG	1	1	1.98	0.10	\$28.30	1.98	0.10	\$28.30
Medicine											
C	6505006640857	ACETAZOLAMIDE TABLETS USP 250MG 100S	BT	2	1	0.40	1.62	\$19.62	0.20	0.81	\$9.81
C	6505015254068	ACETYLCHOLINE CHLORIDE FOR OPHTHALMIC SOL USP 20MG 2ML 1%	BT	24	14	13.20	2.88	\$331.44	7.70	1.68	\$193.34
A	6505010561950	AMIKACIN SULFATE INJECTION USP 4ML VIAL 10 VIALS PER PACKAGE	PG	1	1	0.55	0.10	\$110.43	0.55	0.10	\$110.43
D	6505009617486	ARTIFICIAL TEARS 15 ML	BT	36	0	3.60	3.60	\$57.96	0.00	0.00	0.00
C	6505005824735	ATROPINE SULFATE OPHTHALMIC SOL 1% 15ML BT	BT	5	1	0.40	0.02	\$17.85	0.08	0.00	\$3.57
C	6505005824190	BACITRACIN OPHTHALMIC OINT 0.125OZ TU	TU	60	43	1.80	48.88	\$363.60	1.29	35.03	\$260.58
B	6505011277946	BUPIVACAINE HYDROCH INJ .50% 30ML VI 10S	PG	6	10	11.40	1.20	\$128.70	19.00	2.00	\$214.50
D	6505014802501	CEFAZOLIN SODIUM 1GM 10ML VI 25S	PG	2	0	2.00	0.60	\$87.28	0.00	0.00	0.00
B	6505013519272	CIPROFLOXACIN HCL OPHTHALMIC SOL 0.3% 5ML 1S	BT	5	11	3.25	0.06	\$128.95	7.15	0.13	\$283.69
C	6505014630173	CONTACT LENS CLEANING SOLUTION MULTI-PURPOSE 12 OZ BOTTLE	BT	80	12	44.00	9.60	\$1,293.60	6.60	1.44	\$194.04
B	6505013396922	CONTACT LENS SALINE SOLUTION 12FL OZ BOTTLE	BT	1	3	1.50	0.03	\$3.83	4.50	0.09	\$11.49

Note. A=quantity unchanged; B=quantity increase; C=quantity decrease; D=delete; E=add, deleted replacement item; F=add, new item

Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
C	6505002999666	CYCLOPENTOLAT HYDROCH OPHTH SOLUTION 1% 15ML	BT	10	5	1.00	1.00	\$11.00	0.50	0.50	\$5.50
A	6505009444126	DEXAMETHASONE SODIUM PHOSPHATE 4MG/ML 1ML 25S	PG	1	1	1.35	0.50	\$16.30	1.35	0.50	\$16.30
C	6505002998760	EPINEPHRINE INJ AQUEOUS 1MG/1ML AMP 25S	PG	2	1	0.30	0.20	\$79.68	0.15	0.10	\$39.84
D	6505015032390	FLUORESCEIN SODIUM OPHTHALMIC STRIPS 1MG 100S	PG	3	0	0.30	0.30	\$30.42	0.00	0.00	0.00
D	6505001538220	GLYCERIN USP 1 LB (453.6 GRAM)	BT	5	0	5.00	1.50	\$32.90	0.00	0.00	0.00
C	6505007644011	HOMATROPINE HYDROBROMIDE OPTH SOLUTION 5ML	BT	30	7	0.90	3.00	\$489.00	0.21	0.70	\$114.10
C	6505011472082	HYDROXYPROPYL METHYLCELLULOSE OPHTHALMIC SOLUTION USP 15ML BT	BT	6	2	0.36	0.06	\$39.12	0.12	0.02	\$13.04
C	6505014562382	LIDOCAINE & EPINEPHRINE INJE 50 ML VIAL	VI	10	4	5.50	1.20	\$50.60	2.20	0.48	\$20.24
D	6505005986117	LIDOCAINE HCL INJ 2% 20MG/ML 20ML	BT	2	0	1.00	1.39	\$18.46	0.00	0.00	0.00
D	6505005986116	LIDOCAINE HYDROCH INJ 1.0%/ML 50ML	BT	12	0	2.99	1.20	\$230.64	0.00	0.00	0.00
D	6505001507622	LUBRICANT OPTHALMIC TOPICAL 1/8OZ	TU	4	0	0.40	0.40	\$43.32	0.00	0.00	0.00
A	6505011253253	MANNITOL INJ 25% 50ML SINGLE DOSE VI 25S	PG	1	1	0.19	0.10	\$35.91	0.19	0.10	\$35.91
A	6505011080808	METHYLPREDNISOLONE SODIUM SUCCINATE FOR INJECTION USP 1000MG	CO	20	20	2.40	2.00	\$443.80	2.40	2.00	\$443.80
D	6505015090677	MOXIFLOX OPTHALHLORIDE 5MG/ML 0.5% 3ML	BT	4	0	0.40	0.40	\$508.04	0.00	0.00	0.00

Note. A=quantity unchanged; B=quantity increase; C=quantity decrease; D=delete; E=add, deleted replacement item; F=add, new item

Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
A	6505011434642	NEOMYCIN&POLYMYXIN B SULFATES&DEXAMETHASONE OPTH OINT USP 3.5GM	TU	12	12	0.36	0.12	\$800.76	0.36	0.12	\$800.76
C	6505011434643	NEOMYCIN&POLYMYXIN B SULFATES&GRAMICIDIN OPTH SOL10ML	BT	15	12	0.60	0.15	\$269.55	0.48	0.12	\$215.64
C	6505011197693	OPHTHALMIC IRRIGATING SOL 15-18ML BT 36S	PG	2	1	4.43	0.34	\$122.06	2.21	0.17	\$61.03
C	6505011197694	OPHTHALMIC IRRIGATING SOLUTION 500ML BOTTLE W/HANGING DEVICE 6S	PG	5	1	63.65	5.00	\$153.00	12.73	1.00	\$30.60
C	6505002719220	PHENYLEPHRINE HCL OPTHALMIC SOL 25% 15 ML	BT	15	3	1.05	0.03	\$233.55	0.21	0.01	\$46.71
C	6505011533257	PHENYLEPHRINE HYDROCHLORIDE OPTHALMIC SOLUTION USP 10% 5ML BT	BT	5	1	0.05	0.05	\$65.20	0.01	0.01	\$13.04
C	6505005824679	PILOCARPINE HYDROCHLORIDE OPTHALMIC SOLUTION USP 2% 15 ML	BT	5	1	0.65	0.05	\$10.85	0.13	0.01	\$2.17
A	6505009947224	POVIDONE-IODINE SOLUTION 7.5% 1GL	BT	1	1	9.00	1.00	\$24.95	9.00	1.00	\$24.95
B	6505012935688	PREDNISOLONE ACETATE AND GENTAMICIN SULFATE OPTHALMIC SUSP 5ML	BT	15	16	0.15	0.15	\$349.65	0.16	0.16	\$372.96
C	6505001335843	PREDNISOLONE ACETATE OPTHALMIC 1% 5 ML	BT	50	13	5.00	5.00	\$1,238.50	1.30	1.30	\$322.01
D	6505012870626	SOD CHLOR INJ 0.9% 10ML VI 25S	PG	1	0	0.25	0.00	\$6.77	0.00	0.00	0.00
C	6505013637692	SODIUM CHONDROITIN AND SODIUM HYALURONATE 0.5ML	BT	6	4	5.10	0.60	\$1,981.92	3.40	0.40	\$1,321.28

Note. A=quantity unchanged; B=quantity increase; C=quantity decrease; D=delete; E=add, deleted replacement item; F=add, new item

Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
		SYRINGE 6S									
C	6505010238713	SULFACETAMIDE SOD OPHTHAL SOL 15ML	BT	15	11	1.05	1.50	\$42.45	0.77	1.10	\$31.13
D	6505005824737	TETRACAINE HYDROCH OPTH SOLUTION 0.5% 15 ML	BT	5	0	1.00	0.73	\$9.25	0.00	0.00	0.00
D	6505010696519	TIMOLOL MALEATE OPHTHALMIC SOLUTION 5ML	BT	5	0	0.50	0.50	\$7.05	0.00	0.00	0.00
A	6505011428314	TRIFLURIDINE OPHTHALMIC SOL 1% BT 7.5ML	BT	1	1	0.05	0.01	\$75.61	0.05	0.01	\$75.61
B	6505008718289	TROPICAMIDE OPHTHALMIC SOLUTION USP 1% 15 ML	BT	4	5	0.24	0.04	\$21.72	0.30	0.05	\$27.15
A	6505000655220	VANCOMYCIN HYDROCHLORIDE EQUIV 500 MG OF VANCOMYCIN	VI	1	1	0.01	0.01	\$28.75	0.01	0.01	\$28.75
Consumables											
D	6515014526940	ADMINISTRATION SET INFUSION PUMP PRIMAR CONTINUOUS FLOW SOL	PG	1	0	3.00	0.70	\$209.41	0.00	0.00	0.00
C	6515009051473	APPLICATOR PLAS/WOOD ROD 6IN STER 2000S	PG	3	1	1.95	1.95	\$123.54	0.65	0.65	\$41.18
D	6510014970960	APPLICATOR POVIDONE- IODINE IMPREGNATED	EA	1	0	0.55	0.12	\$5.67	0.00	0.00	0.00
D	6515012346838	APPLICATOR WOOD OR PLASTIC 6" LG SQUARED OFF DISPOSABLE 100S	PG	6	0	0.60	1.20	\$3.12	0.00	0.00	0.00

Note. A=quantity unchanged; B=quantity increase; C=quantity decrease; D=delete; E=add, deleted replacement item; F=add, new item

Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
D	8105011958730	BAG PLASTIC 250S	BX	1	0	15.00	1.15	\$17.16	0.00	0.00	0.00
C	6515011398405	BLADE SURG KNIFE BEAVER M 3MM PRE-SET 6S	PG	6	4	0.06	0.01	\$168.48	0.04	0.00	\$112.32
D	6530013813991	BRUSH SURG SCRUB BRISTLE & PLAS POLYUR 3X2" POV-IOD IMPREG 30S	EA	2	0	6.04	0.72	\$41.38	0.00	0.00	0.00
B	6515010227417	CAUTERY BTRY LOW T FINE PT 1.5V AA HDL 10S	PG	2	3	2.40	0.14	\$105.84	3.60	0.21	\$158.76
D	8465009997905	COVER PERSONNEL ID TAG PLAS FLESH COLOR 2.312INX1.344IN	EA	1	0	0.01	0.01	\$0.22	0.00	0.00	0.00
C	6530011511831	DRAPE SURG PLAS DISP STER 51X47IN ADH AREA OPTHAMOMOLOGY 40S	PG	2	1	4.00	0.40	\$411.12	2.00	0.20	\$205.56
C	6530010470176	DRAPE SURG STER INDV PKGD 15.6 X 15.6 10S	PG	4	3	1.48	0.47	\$119.32	1.11	0.35	\$89.49
D	6515013773836	EXTENSION SET IV ADMIN 30" LG W/ROLLER OR SLIDE-TYPE CLAMP 48S	PG	1	0	0.03	0.03	\$39.08	0.00	0.00	0.00
C	6540010992321	FRAME SPECTACLE BAYONET TEMPLES 42 BY 52 EYE 20 BRIDGE	EA	100	1	4.00	6.00	\$768.00	0.04	0.06	\$7.68
C	6540011074509	FRAME SPECTACLE NYLON NON-REFLECTIVE 52MM DIAMETER 22MM BRIDGE	EA	100	1	5.00	2.00	\$733.00	0.05	0.02	\$7.33
D	6515011498841	GLOVES SURGEONS GEN SURG SZ 7.5 RBBR PREPOWDERED	PG	1	0	100.00	27.50	\$770.50	0.00	0.00	0.00

Note. A=quantity unchanged; B=quantity increase; C=quantity decrease; D=delete; E=add, deleted replacement item; F=add, new item

Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
		STER DISP 50S									
D	6515015196337	GLOVES SURGEONS LATEX & POWDER FREE SZ 7 STER 200S	PG	1	0	5.00	0.50	\$569.52	0.00	0.00	0.00
C	6515012593002	IMPLANT ORBITAL 20MM BOILABLE LIGHTWEIGHT	EA	12	3	0.60	0.01	\$346.32	0.15	0.00	\$86.58
C	6515012052371	IMPLANT ORBITAL SILICONE RUB 22MM DIA EYE	EA	3	2	0.48	0.08	\$15.00	0.32	0.05	\$10.00
C	6515013677741	IMPLANT ORBITAL SPHERE 16MM DIAMETER PLASTIC	EA	3	2	0.57	0.03	\$12.00	0.38	0.02	\$8.00
C	6515013765190	IMPLANT ORBITAL SPHERE 18MM POLY METHACRYLATE	EA	3	2	0.57	0.03	\$49.41	0.38	0.02	\$32.94
A	6515009786133	KNIFE GENERAL SURG 1.50" BLADE LG SIZE 15 BLADES SS/CS DISP 100S	PG	2	2	0.02	0.00	\$23.48	0.02	0.00	\$23.48
A	6515013139633	KNIFE GENERAL SURGICAL 1.75" BLADE LG SIZE 11 BLADE CRS/PLAS100S	PG	2	2	5.00	4.00	\$118.04	5.00	4.00	\$118.04
A	6540014621316	LENS SET AVIATOR FR EDGED TO FG 58 AVIATOR FRAME	SE	1	1	0.45	0.02	\$1,221.51	0.45	0.02	\$1,221.51
A	6540014621322	LENS SET AVIATOR FR MAG-1 FRAME EDGED TO MAG-1 FRAME	SE	1	1	0.45	0.02	\$870.85	0.45	0.02	\$870.85
C	6515007542834	NEEDLE HYPO 18GAX1.5IN LUER LOCK 100S	PG	2	1	1.32	0.20	\$22.54	0.66	0.10	\$11.27
A	6515007542837	NEEDLE HYPO 26GA .469-.531IN LUER LOCK 100S	PG	1	1	0.42	0.10	\$14.86	0.42	0.10	\$14.86
A	6515013369306	NEEDLE HYPO ANESTHESIA 30GA TRI-BEVELED 0.50IN FINE TIP STER 100S	PG	1	1	0.01	0.01	\$53.25	0.01	0.01	\$53.25

Note. A=quantity unchanged; B=quantity increase; C=quantity decrease; D=delete; E=add, deleted replacement item; F=add, new item

Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
D	6515015261730	NEEDLE HYPODERMIC SAFETY W/SHIELDING MECHANISM 25GAGE X1" NDL50S	PG	2	0	11.10	7.30	\$44.00	0.00	0.00	0.00
C	6510011077575	PAD EYE COTTON GAUZE 2.5X2IN 50S	PG	2	1	0.94	2.00	\$20.86	0.47	1.00	\$10.43
D	6510007863736	PAD ISOPROPYL ALCOHOL IMPREGNATED WHITE 200S	PG	4	0	4.00	0.40	\$11.60	0.00	0.00	0.00
B	6515013864473	PROBE ENDOPHOTOCOAGULATION 20 GA STR W/FLEX FIBER OPTIC CABLE 6S	PG	1	4	0.01	0.01	\$1,304.10	0.04	0.04	\$5,216.40
D	6515013225898	RAZOR SURG PREP PLAS 100S	PG	1	0	0.20	0.10	\$42.00	0.00	0.00	0.00
C	6515014491016	SHIELD EYE SURG FOX ALUM 3X2IN 12S	PG	3	2	0.90	0.90	\$87.00	0.60	0.60	\$58.00
D	6508014598510	SKIN CLEANSER ALCOHOL AEROSOL FOAM WATERLESS 5.4OZ CAN 12/PG	PG	2	0	0.70	0.22	\$261.52	0.00	0.00	0.00
C	6540010602964	SPECTACLES POST MYDRIATIC DISPOSABLE PLASTIC W/ADJ TEMPLES100S	PG	2	1	3.60	0.28	\$49.26	1.80	0.14	\$24.63
D	6510007822698	SPONGE SURG GAUZ ABS WHITE 4X4IN 8-PLY 200S	PG	2	0	4.00	2.00	\$13.12	0.00	0.00	0.00
C	6510011225564	SPONGE SURG RAYON NONWVN 4.4IN 600S	BX	2	1	13.50	2.40	\$184.94	6.75	1.20	\$92.47
D	6510007219808	SPONGE SURGICAL CELLULOSE & COTTON & GAUZE 4X4" STERILE 1200S	PG	1	0	13.00	2.63	\$81.29	0.00	0.00	0.00
C	6510011253241	SPONGE SURGICAL NONWOVEN SYN FIBER WHITE .625 X .313IN 144S	PG	2	1	0.30	0.18	\$79.08	0.15	0.09	\$39.54
B	6540014629682	STORAGE CASE CONTACT LENS RIGID PLASTIC HOLDS ONE PAIR 4/PACKAGE	PG	2	3	1.10	0.22	\$52.16	1.65	0.33	\$78.24
C	6540013880560	STRAP SPECTACLE FRAME SELF-ADJUSTING RBRR BLACK RIGHT&LEFT SIDE	EA	12	1	0.12	2.16	\$116.28	0.01	0.18	\$9.69

Note. A=quantity unchanged; B=quantity increase; C=quantity decrease; D=delete; E=add, deleted replacement item; F=add, new item

Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
D	6515012228490	SUTURE ABS 4-0 18IN SURG NDL P-2 SYNTH 12S	DZ	2	0	10.80	0.26	\$621.84	0.00	0.00	0.00
D	6515013110346	SUTURE ABS 4-0 18IN SURG SGL ARM GUT 12S	PG	2	0	4.80	0.36	\$753.12	0.00	0.00	0.00
B	6515012228491	SUTURE ABS 6-0 12IN OPTH NDL S-29 SYNTH 12S	DZ	2	4	0.96	0.02	\$136.62	1.92	0.04	\$273.24
B	6515012594276	SUTURE ABS 6-0 18IN NDL PC-1 FAST GUT NAT 12S	DZ	2	3	0.52	0.03	\$57.40	0.78	0.05	\$86.10
B	6515011272193	SUTURE NONABS 6-0 18IN SURG SGL ARM MONO 12S	PG	2	4	1.00	0.20	\$269.68	2.00	0.40	\$539.36
B	6515012628704	SUTURE NONABS OPTH SZ 8-0 12IN NDL TG175-8,TG175-8 12S	DZ	2	3	0.46	0.04	\$400.02	0.69	0.06	\$600.03
B	6515013274842	SUTURE NONABS OPTH SZ 8-0 12IN NDL TG175-8,TG175-8 12S	PG	1	2	0.23	0.02	\$200.01	0.46	0.04	\$400.02
D	6515011621914	SUTURE NONABS PLAS SURG SZ4-0 18"LG NDL P-3 MERSILENE ORDER BY1S	DZ	2	0	0.24	0.02	\$906.48	0.00	0.00	0.00
A	6515001736338	SUTURE NONABS SURG NYLON MONOFILAMENT SZ 10-0 DBL ARMED 12S	PG	6	6	0.90	0.54	\$2,497.62	0.90	0.54	\$2,497.62
B	6515011264014	SUTURE NONABS SURG NYLON MONOFILAMENT SZ 9-0 DBL ARMED	PG	2	3	0.02	0.02	\$400.02	0.03	0.03	\$600.03
C	6515009824205	SYRINGE & NEEDLE TUBERCULIN 1ML 25GA 100S	PG	2	1	3.08	2.00	\$29.40	1.54	1.00	\$14.70
D	6510009268882	TAPE ADHESIVE SURG POROUS WOVEN 1INX10YD 12S	PG	2	0	2.08	0.08	\$35.14	0.00	0.00	0.00
D	6510009268883	TAPE ADHESIVE SURG WOVEN 2INX10YD 6S	PG	1	0	1.07	1.00	\$14.24	0.00	0.00	0.00
A	6515013896158	TUBE SUCT SURG POOLE OPEN END TIP 72IN PLAS CLR TUBING 50S	PG	1	1	13.14	1.70	\$161.72	13.14	1.70	\$161.72

Note. A=quantity unchanged; B=quantity increase; C=quantity decrease; D=delete; E=add, deleted replacement item; F=add, new item

Status	NSN	Supply description	UI	AS qty	ESP qty	AS wt	AS cube	AS cost	ESP wt	ESP cube	ESP cost
A	6515013605749	WIPES INSTRUMENT 4X4INSINGLE USE STER 50S	PG	2	2	0.40	0.02	\$299.34	0.40	0.02	\$299.34
A	6515014609686	BULB OPHTHALMOSCOPE F/USE W/SIGMA 150 INDIRECT OPHTHALMOSCOPE	EA	1	1	0.45	0.10	\$85.49	0.45	0.10	\$85.49
D	7520013323967	PEN BALL POINT FINE POINT COLOR BLUE RETRACTABLE	PG	1	0	0.20	0.10	\$6.47	0.00	0.00	0.00
D	6515011536495	PEN SKIN MARKING SURG PLAS DISP 10S	PG	1	0	1.50	0.20	\$46.80	0.00	0.00	0.00
C	6510014999364	TOWEL PACK SURG STER 17X27IN CTN BLUE 72S	PG	4	2	4.00	4.00	\$1,112.40	2.00	2.00	\$556.20

Note. A=quantity unchanged; B=quantity increase; C=quantity decrease; D=delete; E=add, deleted replacement item; F=add, new item

Appendix B.
FFEYE Aggregated Line Items from the 938 EMEDS AS

NSN	Supply description	UI	938 AS	Total qty used (UI)	Total wt	Total cube	Total cost
Equipment							
6530015142869	TRAY STER F/HANDPIEC F/POWERPRO BAT HANDPIECE	EA	938AQ	1	0.55	0.12	\$1,287.00
6520015547783	TRAY STERILIZATION LARGE W/STATIM STERILIZER	EA	938AU	1	1.00	0.60	\$166.56
6515011417469	HANDLE SURG KNIFE DETACHABLE BLADE SZ 3	EA	938BQ	1	0.13	0.52	\$13.04
6530007778600	CUP SOL CORROSION-RESISTING STEEL 7 OZ	EA	938BQ	1	0.22	0.01	\$5.86
6530015311740	TRAY STER W/LID FOR SOAKING INST	EA	938BR	1	2.00	0.76	\$398.30
6530014866556	TRAY STER 2.75IN 13.125IN 22.125IN STEAM	EA	938BR	1	23.00	0.50	\$1,542.00
6530012594318	COVER SURGICAL INSTRUMENT STAND POLYESTER 30I	PG	938BR	1	12.50	2.01	\$74.48
6530014866573	TRAY STER 3.675IN 13.125INDP 22.125INHT	EA	938BR	1	16.50	0.50	\$1,642.50
6532002999628	TROUSERS OPERATING SURG LG GRN/GRAY	EA	938BR	16	11.20	0.59	\$212.48
6532002999630	TROUSERS OPERATING SURG MED GRN/GRAY	EA	938BR	16	10.40	0.59	\$212.48
Medicinals							
6505005986117	LIDOCAINE HCL INJ 2% 20MG/ML 20ML	BT	938AE	10	5.00	6.94	\$92.30
6505010696519	TIMOLOL MALEATE OPTHALMIC SOLUTION 5ML	BT	938AE	5	0.50	0.50	\$7.05
6505012870626	SOD CHLOR INJ 0.9% 10ML VI 25S	PG	938AE	1	0.25	0.00	\$6.77

NSN	Supply description	UI	938 AS	Total qty used (UI)	Total wt	Total cube	Total cost
6505005824737	TETRACAINE HYDROCH OPTH SOLUTION 0.5% 15 ML	BT	938BE	2	0.40	0.29	\$3.70
6505009857301	ACETAMINOPHEN TAB 0.325GM 1000S	BT	938BE	1	0.92	0.10	\$7.30
6505015090677	MOXIFLOX OPTHHAHLORIDE 5MG/ML 0.5% 3ML	BT	938BE	4	0.40	0.40	\$508.04
6505012149062	IBUPROFEN TAB 800 MG 500S	BT	938BE	1	1.43	0.10	\$124.26
6505001507622	LUBRICANT OPHTHALMIC TOPICAL 1/8OZ	TU	938BE	10	1.00	1.00	\$108.30
6505015032390	FLUORESCEIN SODIUM OPHTHALMIC STRIPS 1MG 100S	PG	938BE	2	0.20	0.20	\$20.28
6505005986116	LIDOCAINE HYDROCH INJ 1.0%/ML 50ML	BT	938BE	4	1.00	0.40	\$76.88
6505009617486	ARTIFICIAL TEARS 15 ML	BT	938BE	24	2.40	2.40	\$38.64
6505014821064	KETOROLAC TROMETHAMINE INJ 30MG/ML 1ML 10S	PG	938BE	4	1.60	0.40	\$228.24
6505012139514	GENTAMICIN SULFATE INJ 40MG 2ML VI 25S	PG	938BE	2	0.97	0.20	\$57.36
6505013366179	CIPROFLOXACIN HCL & DEX 200ML BAG 24S	PG	938BE	2	7.00	2.16	\$357.78
6505015054693	MEPERIDINE HYDROCH INJ 100MG/ML 1ML 10S	PG	938BE	4	2.20	0.60	\$32.40
6505015055813	MORPHINE SULFATE INJ 10MG/ML 1ML 10S	PG	938BE	4	4.00	0.60	\$41.16
6505014802501	CEFAZOLIN SODIUM 1GM 10ML VI 25S	PG	938BE	2	2.00	0.60	\$87.28
6505013308924	SOD CHLOR INJ 0.9% 100ML BAG 64S	PG	938BE	1	13.00	2.00	\$85.44
Consumables							
6515013770436	NEEDLE HYPO 25GAX1.5IN REG BEV 100S	PG	938AP	1	1.00	0.20	\$59.41

NSN	Supply description	UI	938 AS	Total qty used (UI)	Total wt	Total cube	Total cost
6515014975043	SUTURE ABS SURG MONO 4-0 18MM NAT STER 12S	PG	938AQ	3	3.00	4.34	\$347.28
6530015307918	BRUSH SCRUB SURGICAL POVIDONE IODINE 30S	PG	938AR	2	5.12	1.51	\$52.00
6515014915719	GLOVE PATIENT EXAM PURPLE SZ 10 LARGE 100S	PG	938BK	2	0.58	0.54	\$34.00
6515014618933	GLOVE PATIENT EXAM 9.5IN N-DEX NITR MED 100S	PG	938BK	2	2.66	0.34	\$34.46
6515014618939	GLOVE PATIENT EXAM SM N-DEX NIRTILE RBBR 100S	PG	938BK	2	2.00	0.20	\$18.76
6510007822698	SPONGE SURG GAUZ ABS WHITE 4X4IN 8-PLY 200S	PG	938BK	4	8.00	4.00	\$26.24
6510009268882	TAPE ADHESIVE SURG POROUS WOVEN 1INX10YD 12S	PG	938BK	1	1.04	0.04	\$17.57
6510009268883	TAPE ADHESIVE SURG WOVEN 2INX10YD 6S	PG	938BK	1	1.07	1.00	\$14.24
6515004627348	SYRINGE HYPODERMIC 3ML LUER LOCK 100S	PG	938BK	1	1.13	0.17	\$12.45
6515007540412	SYRINGE HYPO 10ML CAP LUER SLIP W/O NDL 100S	PG	938BK	1	0.70	0.34	\$16.43
6510007863736	PAD ISOPROPYL ALCOHOL IMPREGNATED WHITE 200S	PG	938BK	1	1.00	0.10	\$2.90
6515015261729	NEEDLE HYPODERMIC SAFETY 18GA X 1.500 50S	PG	938BK	1	0.25	0.02	\$22.00
6510014970960	APPLICATOR POVIDONE-IODINE IMPREGNATED	EA	938BK	10	5.50	1.20	\$56.70

NSN	Supply description	UI	938 AS	Total qty used (UI)	Total wt	Total cube	Total cost
7520009357136	PEN BALL-POINT BLACK MED POINT RETRACT 12S	DZ	938BK	1	0.36	0.14	\$4.81
8105011839764	BAG PLASTIC FLAT 58X36IN HEAVYDUTY 100S	PG	938BM	2	2.00	0.64	\$79.98
6515013225898	RAZOR SURG PREP PLAS 100S	PG	938BQ	1	0.20	0.10	\$42.00
6515011536495	PEN SKIN MARKING SURG PLAS DISP 10S	PG	938BQ	6	9.00	1.19	\$280.80
6515015196343	GLOVE SURG LATEX PWDRFREE SZ 7 STER 50S	PG	938BR	1	5.00	0.13	\$142.49
6515015196347	GLOVE SURGEON LATEX & POWDER FREE 8 STER 50S	PG	938BR	1	5.00	0.13	\$142.49
6515015196348	GLOVE SURG LATEX PWDRFREE SZ 7.5 GAUNT 50S	PG	938BR	1	5.00	0.13	\$142.49
6532004056009	SURGICAL PACK GOWN & TOWEL LG 28S	PG	938BR	3	51.00	6.39	\$358.62
6532009143071	SHIRT OPER SURG MENS XL PULLOVER GRN/GRAY	EA	938BR	32	18.24	1.18	\$202.88
6532009143598	SHIRT OPER SURG MENS/ LARGE	EA	938BR	32	17.28	1.18	\$185.92
6515015311885	SUTURE ABS SURG DEXON/VICRYL/POLY 4-0 3DZ/36S	PG	938BU	2	10.00	3.11	\$251.86
				Totals	277.89	53.41	\$9,986.66

REPORT DOCUMENTATION PAGE

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14. ABSTRACT <p>The Naval Health Research Center (NHRC) has used its modeling and simulation expertise to develop and update conventional U.S. Air Force medical assets since 2004. The objective of this study was to leverage medical modeling and simulation advantages to provide recommendations for allowance standard configurations based on the Air Force Ophthalmology Augmentation Team (FFEYE) operational and clinical requirements.</p> <p>NHRC analysts reviewed the FFEYE, analyzed clinical requirements with subject matter experts, and used modeling and simulation tools to develop the operationally-based and patient-driven recommended 917F line list. The Unit Type Code capabilities, operational requirements, and materiel solutions were identified, and issues of modernization, clinical requirement, standardization, and redundancy were addressed. Total changes resulted in a reduction in weight by 16%, cube by 20%, and cost by 3%, or \$10,875.</p>					
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